

Agilent 6890 & 6850 GC Control Driver Release Notes



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Introduction of the driver (4.0.0)

The Agilent 6890 & 6850 GC CompassCDS control driver software needs CompassCDS version 3.0.1 or above (the CompassCDS versions 2.0 and 3.0 are not supported).

The Agilent 6890 GC can be controlled by CompassCDS software if the GC has the firmware version A.03.08 or above. RS-232 control of older 6890 models via a PC COM port or STAR 800 & 850 MIB serial ports is possible however the latter requires the CompassCDS STAR 800 & 850 MIB control driver (BR502064). The majority of 6890 & 6850 units are controlled via Ethernet.

Supported configurations

- Inlets:
 - Split/splitless capillary inlet (S/SL)
 - Temperature-programmable cool on-column inlet (PCOC)
 - Purge Packed inlet (PP)
 - Gerstel CIS3 and CIS4 Programmable temperature vaporization (PTV)
 - HP-Programmable temperature vaporization (HP-PTV)
- Detectors:
 - Flame ionization detector (FID)
 - Thermal conductivity detector (TCD)
 - Electron capture detector (ECD) and μ ECD
 - Nitrogen Phosphorous detector (NPD)
- Autosampler: Automatic liquid sampler (ALS) type 7683 (G2913A and G2613A) including the 100 vials tray (G2614A), type 7693A (G4513A) including the 150 vials tray (G4514A), type 7673 (G1513A) including the 100 vials tray (18596A) and the controller module (G1512A).
- The Oven Cryogenic coolant is controlled
- PCM (Pressure Control Module) is controlled
- Multi injector, multi detector: CompassCDS can control any 2 auto sampler, 2 Inlet, 2 detector configuration as long as the configuration consists of the elements described above.
- Valves. Eight valves can be controlled. Among them we support the Gas Sampling valve, the Switching valve and the Multi-position valve.
- Two auxiliary heaters can be controlled.
- Three Auxiliary EPCs can be controlled
- Run time events.

Known issues

- The configuration of the system cannot be printed.
- The two run table events “**NPD Fuel Gas On**” and “**NPD Fuel Gas Off**” have not been validated on 6890 NPD hardware. As consequence, we recommend to not use these run table events. Please contact your local service representative if you need to use this capability.

